a reinforcement mat associated with the stretch of fiber rovings, said reinforcement mat having a length extending longitudinally of the pultruded part, a width extending across at least a part of the cross sectional shape of the mat and a thickness at right angles to the width and shape of the mat;

B3 Cont'

said mat including elongated reinforcing fibers oriented in a direction transverse to the pull direction of the part;

batting material in contact with said reinforcing fibers and including staple fibers, a certain proportion of said staple fibers extending through at least a portion of said mat thickness and randomly entangled with and interconnecting said reinforcing fibers; and

a synthetic resin composition enveloping said mat and the stretch of elongated fiber rovings and configured by the die during pulling of the part through the die.

Please amend claim 99 as follows:

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99. A pultruded part as set forth in claim 97, wherein said transverse fibers are disposed at an angle of from about 60° to about 90° with respect to the longitudinal pull direction of the part.

Please amend claim 101 as follows:

101. A pultruded part as set forth in claim 100, wherein said transport fibers include first and second elongated diagonal fibers extending diagonally across substantially the full transverse width of the mat with the first diagonal fibers oriented at an angle in the range from about +30° to about +60° and the second diagonal fibers being oriented at an angle in the range of from about -30° to about -60° with respect to the longitudinal pull direction of the part.

B4

Please amend claim 102 as follows:

B4 Cont.

102. A pultruded part as set forth in claim 100, wherein said transport fibers include elongated stitched fibers extending generally in said direction of pull of the part.

Please amend claim 104 as follows:

104. A method of preparing a mat for use and manufacture of a pultruded part where the mat, which comprises a body having a pair of opposed outer surfaces that define the thickness of the mat, is constructed to be pulled through a pultrusion die in a continuous longitudinal pull direction, said method comprising:

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positioning a quantity of reinforcing fibers in a direction oriented transverse to said longitudinal pull direction;

positioning batting material comprising staple fibers, in contact with said reinforcing fibers; and

directing at least a portion of the staple fibers of the batting material randomly through at least a portion of the mat thickness for entanglement and interconnection with said reinforcing fibers.